

## ECS Configuration Change Request

Page 1 of

Page(s)

<b>1. Originator</b> Robert Cole	<b>2. Log Date:</b> 12/4/02	<b>3. CCR #:</b> 02-1056	<b>4. Rev:</b> —	<b>5. Tel:</b> 301.925.0799	<b>6. Rm #:</b> 2110C	<b>7. Dept.</b> SE/HW
<b>8. CCR Title:</b> Install QFS version 3.5.0-64A as a test executable on p0sas01, n0sas01, l0sas01, and g0sas01						
<b>9. Originator Signature/Date</b> Robert Cole /s/ 12/4/02			<b>10. Class</b> II	<b>11. Type:</b> CCR	<b>12. Need Date:</b> 12/06/02	
<b>13. Office Manager Signature/Date</b> James R. Mather /s/ 12/4/02			<b>14. Category of Change:</b> Update ECS Baseline Doc.		<b>15. Priority:</b> (If "Emergency" fill in Block 27). Emergency	
<b>16. Documentation/Drawings Impacted</b> (Review and submit checklist): 920-TD{N,L,G,P}-002, 910-TDA-003, 910-TDA-023			<b>17. Schedule Impact:</b>		<b>18. CI(s) Affected:</b> SAN	
<b>19. Release Affected by this Change:</b> N/A		<b>20. Date due to Customer:</b>		<b>21. Estimated Cost:</b> None - Under 100K		
<b>22. Source Reference:</b> <input checked="" type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input type="checkbox"/> Other: ECSed35950, CCR 02-1039						
<b>23. Problem: (use additional Sheets if necessary)</b> Recent data corruption at EDC is believed to be the result of a bug in the baseline version of QFS, 3.6.0-41A.. Also, there is a known CPU panic bug with the baseline version of QFS. A recent CCR, 02-1039 implemented the QFS upgrade at EDC ahead of a PSR but other sites are still at risk of corruption and CPU panic. The risk of upgrading is very low, and has been tested at EDC. Consequently, a QFS upgrade at all sites ahead of PSR is desired to remove the known corruption and CPU panic risk.						
<b>24. Proposed Solution: (use additional sheets if necessary)</b> Upgrade QFS on x0sas01 to version 3.5.0-64A . The upgrade will be delivered in the form of a single file in Solaris package format. See next page for installation instructions. cksum QWE.samqfs.2.8_3.5.0-64A 524862688 6394368 QWE.samqfs.2.8_3.5.0-64A						
<b>25. Alternate Solution: (use additional sheets if necessary)</b> Wait for a PSR which would require at least another week to complete.						
<b>26. Consequences if Change(s) are not approved: (use additional sheets if necessary)</b> There is a risk of data corruption in the QFS filesystem.						
<b>27. Justification for Emergency (If Block 15 is "Emergency"):</b> The next scheduled CCB meeting is not until 12/9/02.						
<b>28. Site(s) Affected:</b> <input type="checkbox"/> EDF <input checked="" type="checkbox"/> PVC <input type="checkbox"/> VATC <input type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input checked="" type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
<b>29. Board Comments:</b>			<b>30. Work Assigned To:</b>		<b>31. CCR Closed Date:</b>	
<b>32. EDF/SCDV CCB Chair (Sign/Date):</b> Byron V. Peters /s/ 12/4/02			<b>Disposition:</b> <span style="border: 1px solid red; color: red;">Approved</span> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
<b>33. M&amp;O CCB Chair (Sign/Date):</b> G. G. Gavigan, Jr. /s/ 12/4/02			<b>Disposition:</b> <span style="border: 1px solid red; color: red;">Approved</span> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
<b>34. ECS CCB Chair (Sign/Date):</b>			<b>Disposition:</b> Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

## ADDITIONAL SHEET

**CCR #:** 02-1056      **Rev:** — **Originator:**

**Telephone:**              **Office:**

### **Title of Change:**

Upgrade instructions for upgrading to QFS version 3.5.0-64A from 3.5.0-41A.

1. Verify that the following Solaris package file has been delivered by CM and that the checksum is correct:

QWE.samqfs.2.8\_3.5.0-64A  
checksum = 524862688

2. Unmount all QFS filesystems from all NFS clients and unshare these filesystems from the QFS server (x0sas01).

3. Unmount the QFS filesystem(s).

4. Execute the following command as root to remove the version 3.5.0-41A QFS package

```
# pkgrm LSCqfs
```

5. Install the new QFS package by executing the following command as root in the directory containing the package file mentioned in step 1.

```
# pkgadd -d QWE.samqfs.2.8_3.5.0-64A
```

6. Re-mount the QFS filesystem on x0sas01 and all NFS clients.